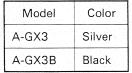
# JVG

# SERVICE MANUAL

### STEREO INTEGRATED AMPLIFIER

## MODEL A-GX3/A-GX3B





### Contents

생활이 가를 가득하는 것으로 가는 것이 되었다.	Page
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## **Safety Precautions**

 The design of this product contains special hardware, many circuits and components specially for safety purposes.

For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

- Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by ( ♠ ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.

When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after reassembling.

5. Leakage current check

(Safety for electrical shock hazard)

After reassembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the pro-

duct is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
- Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a  $1500\Omega$  10W resistor paralleled by a 0.15  $\mu$ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).

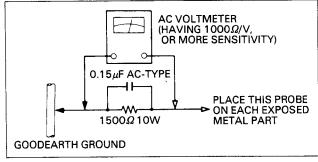


Fig. 1

### **Service Precautions**

 Before repairing, be sure to discharge the large electrolytic capacitors across a resistor of about 100 ohms/1 watt.

#### ■ When disassembling

- When replacing a power transistor or IC, be sure to apply silicone grease to the section of a new transistor or IC which is in close contact with the heatsink, then mount it.
- 2. When removing or stretching wires on the P. C. Board, be sure to restore them to their original routing as far as possible.

#### CHECKING YOUR LINE VOLTAGE (For U.S. Military Market and Other Countries)

Befor inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.

CAUTION: Before selecting the "Voltage selector switch" to proper voltage disconnect the power plug.



## 1. Specifications

Output Power

: 80 watts per channel, min. RMS, both channels driven into 8 ohms from 20 Hz to 20 kHz, with no more than 0.2% total harmonic distor-

tion.

(U.S.A. and Canada only) 85 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.7% total harmon-

ic distortion.

(U.S.A. and Canada only) 83 watts per channel, min. RMS, into 8 ohms at 1 kHz with on more than 0.2% total

harmonic distortion.

Total Harmonic
Distortion
Power Band Width

: 0.2% at rated output, from 20 Hz to 20 kHz, 8 ohms

: 10 Hz – 30 kHz ('66 IHF 0.2% both channels driven, 8 ohms)

Frequency Response

**Tone Controls** 

: 10 Hz – 100 kHz +0,5 dB, -3 dB (8 ohms)

: TREBLE +8  $\pm$  1 dB

 $-8 \pm 1 dB (at 10 kHz)$ 

BASS  $+8 \pm 1 dB$ 

 $-8 \pm 1 \, dB \, (at \, 100 \, Hz)$ 

Input Sensitivity/ Impedance (1 kHz)

PHONO : 2.5 mV/47 kohms

TUNER, CD/AUX,

VIDEO SOUND TAPE: 150 mV/40 kohms

Phono RIAA

Deviation :  $\pm 1.0 \text{ dB} (40 \text{ Hz} - 15 \text{ kHz})$ 

Signal to Noise Ratio

PHONO : 70 dB ('66 1HF)

TUNER, CD/AUX,

VIDEO SOUND TAPE: 96 dB ('66 IHF)

PHONO : 79 dB ('78 IHF, Rec Out)

TUNER, CD/AUX,

VIDEO SOUND TAPE: 73 dB ('78 IHF, Speaker Out)

Loudness Control (Volume Control at –30 : +6 dB at 100 Hz +4 dB at 10 kHz

dB position)

Dimensions and Weight

1	D	Weight		
	Width	Height	Depth	(kg/lbs)
	435 (17-3/16")	117 (4-5/8")	292 (11-1/2")	6.0 (13.3)

Design and specifications subject to change without notice.

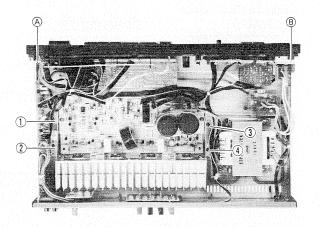
#### Differences Between Models Intended For Different Areas

Areas	U.S.A. & Canada	Continental Europe	U.K. & Australia	Other areas
Power supply	AC 120V ∼ , 60 Hz	AC 220V ∼ , 50 Hz	AC 240V ∼ , 50 Hz	AC 110/120/220 240V ∼ selectable, 50/60 Hz
Power Consumption	270 watts, 345 VA	200 watts	200 watts	200 watts
AC voltage selector	Not fitted	Not fitted	Not fitted	Fitted
AC outlet	Fitted	Not fitted	Not fitted	Fitted
AC line fuse holder	Not fitted	Not fitted	Not fitted	Fitted

## 2. Removal and Reassembly Procedures

#### 2-(1) Removal of the Main P.C. Board

- 1. Remove the metal cover.
- 2. Remove screws  $\textcircled{1} \sim \textcircled{4}$  on the bracket of P.C. board. (Fig. 2)



3. Pull out the main P.C. board in the direction of arrow as shown in Fig. 3.

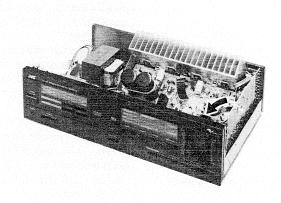
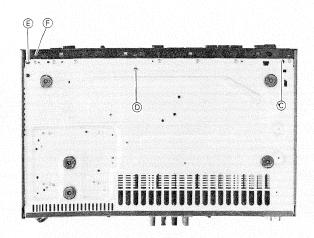


Fig. 2

Fig. 3

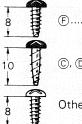
#### 2-(2) Removal of the front panel

- Remove screws (a) and (b) on the upper part of front panel shown in Fig. 1.



#### Note:

As three types of fixing screw are used for the base, make sure the screws are correct when reinstalling.



- F..... black-colored head
- ©, D, E..... black-colored head
- Others..... silver-colored head

Fig. 4

3. As shown in Fig. 5, pull out the front panel front-ward and raise it.

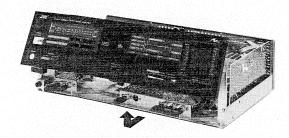


Fig. 5

## 3. Adjustment Procedures

3-(1) Power Amplifier Idling Current Adjustment

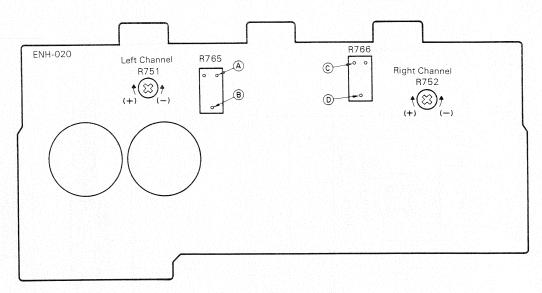


Fig. 6

- 1. Before turning on the power, turn the semi-fixed resistors (R751 for L channel and R752 for R channel) of the power amplifier circuit board fully counterclockwise.
- 2. Adjust the semi-fixed resistors (R751 and R752) so that the voltage at the following test points of the power amplifier circuit board is within a range of 1 mV  $\sim$  2 mV after the power is turned on.
  - L channel: Measure the voltage between test point (a) (emitter of Q713) and output at the test

point B.

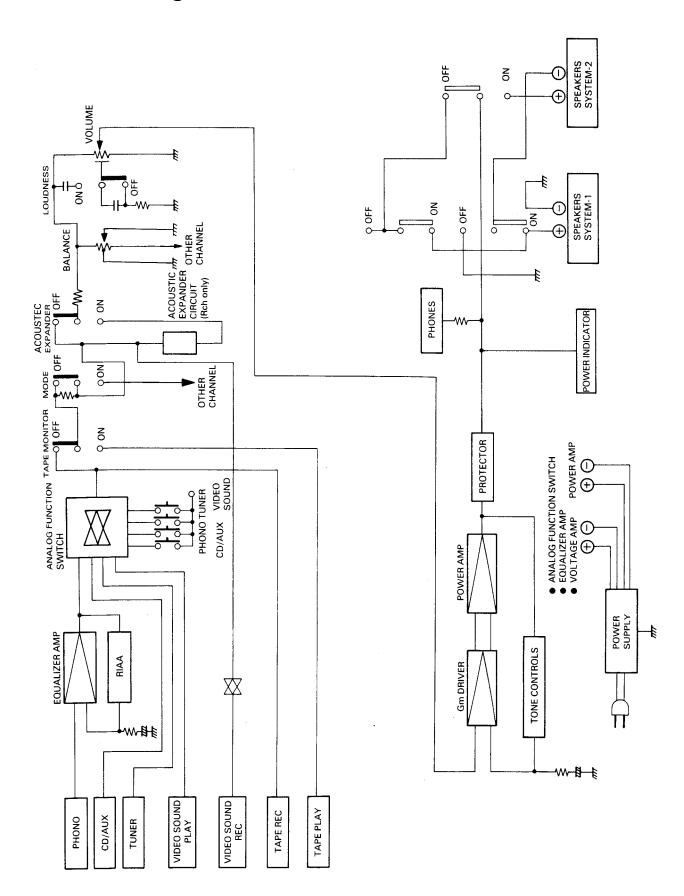
R channel: Measure the voltage between test point © (emitter of Q714) and output at the test point ©.

3. Readjust resistors R751 and R752 about 5 minutes after the power is turned on (the heatsink temperature must be sufficiently high) so that the voltage at the test points becomes 3 mV.

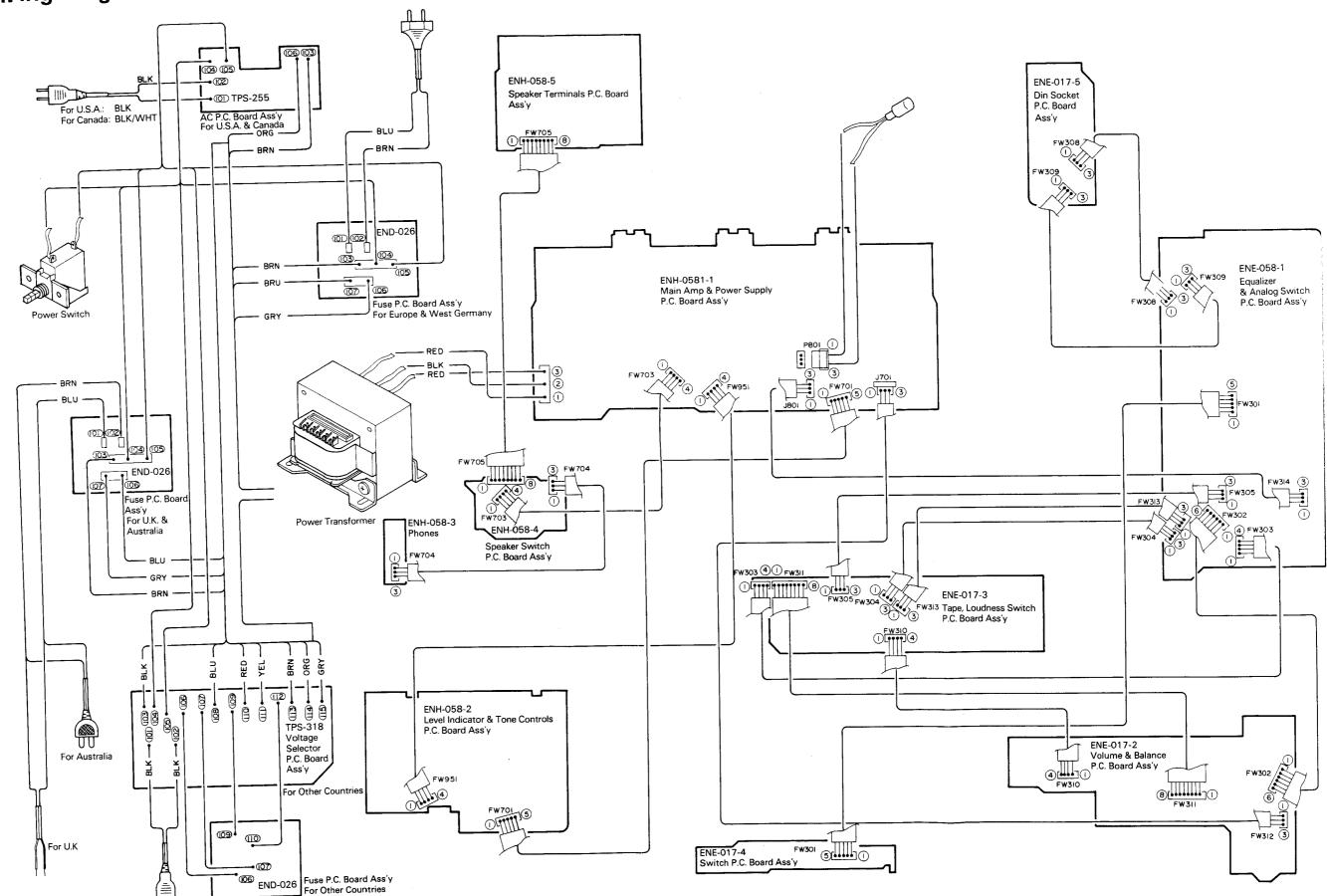
Confirm that the voltage does not vary when the heatsink temperature increases further.

**Note:** Be sure to perform the measurement with the probes and cabinet of the measuring equipment separated from the grounding terminals of A-GX3 or other measuring equipment.

## 4. Block Diagram



## 5. Wiring Diagram

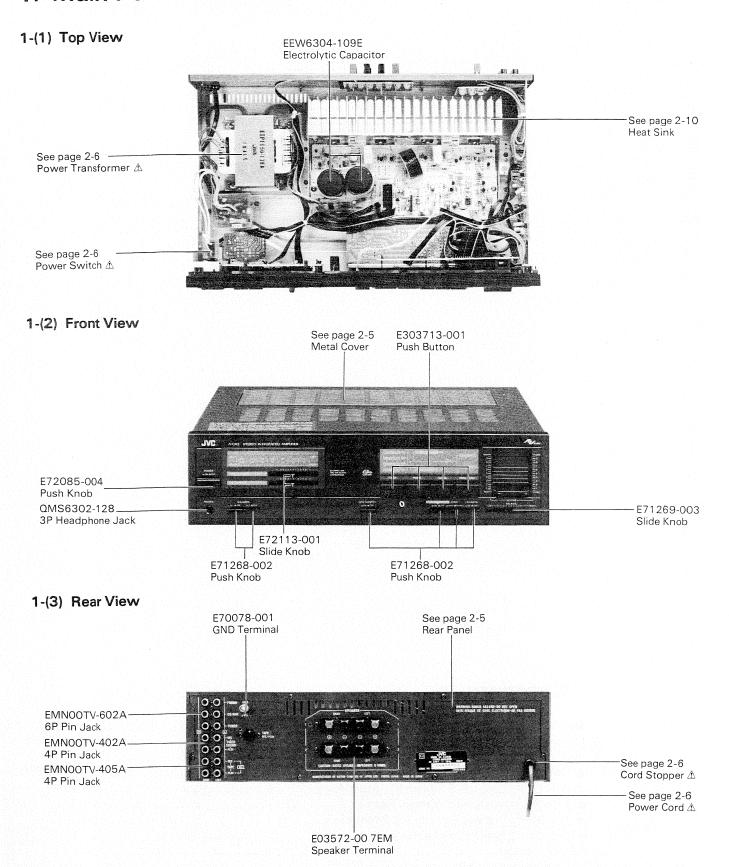


## **PARTS LIST**

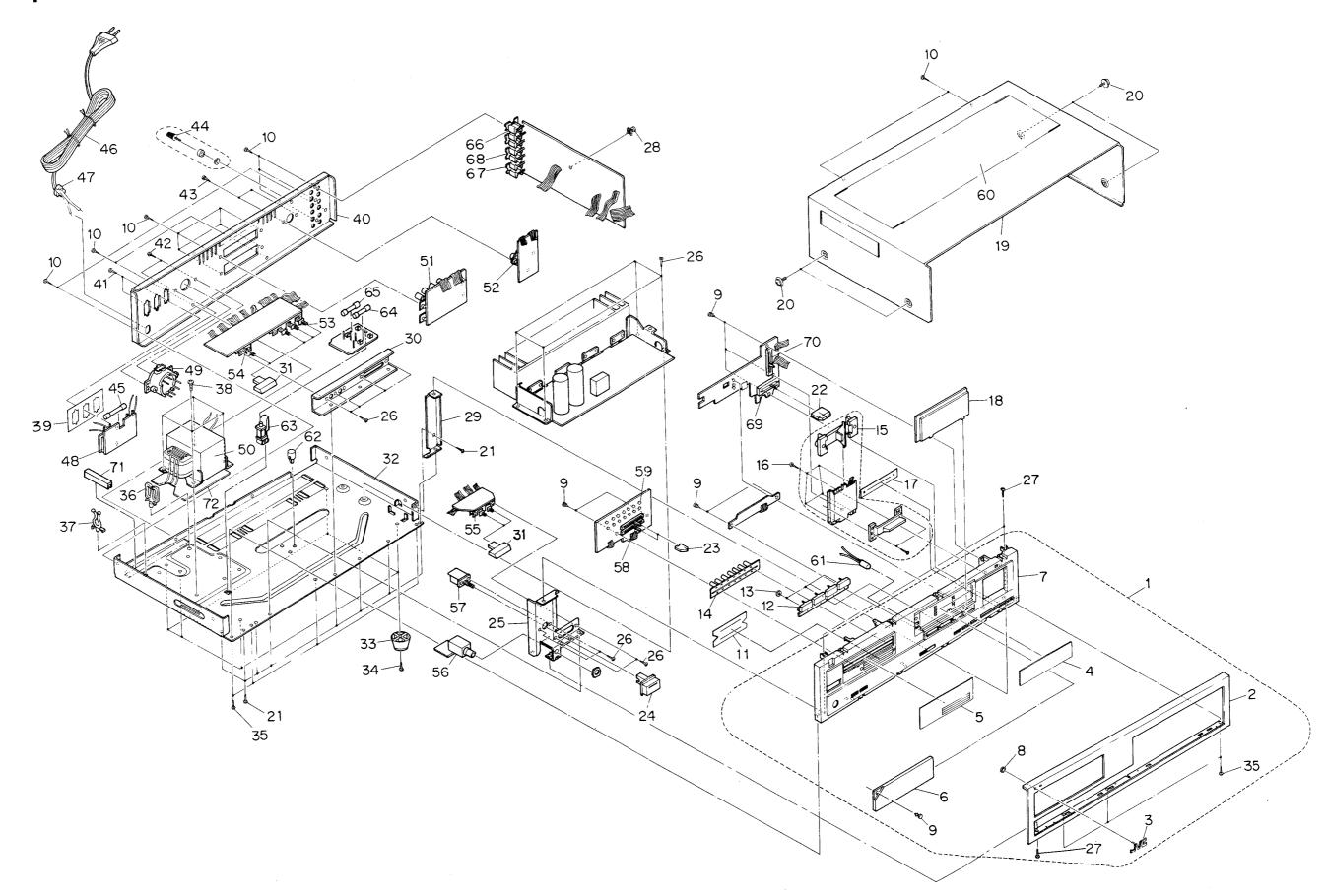
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## 1. Main Parts Locations



## 2. Exploded View and Part List



Item	Part Numbe r	Part Name	Q'ty	Description	Areas
1	EFP-AGX3	Front Panel Ass'y	1	Silver	
'	EFP-AGX3B	Front Panel Ass'y	1	Black	
2	E24981-001	Front Panel	1	Silver	
-	E24981-002	Front Panel	1	Black	
3	E70913-002	JVC Mark	1 1	Silver	
3					
1	E70913-001	JVC Mark	1	Black	
4	E72147-001	Sheet	1		
5	E303715-001	Screen	1		
6	E303711-001	Scale	1		
7	E11120-001	Front Base	1		
8	E60912-003	Speed Nut.	1		
9	E48729-007	Plastic Rivet	1		
	SBSB3008N	Screw	13	Silver	
10	1	Screw	13	Black	
	SBSB3008M	Spacer	1	Bidek	
11	E72250-002	Spacer			
12	E303713-001	Push Button	1		
13	E60912-003	Speed Nut	3		
14	E303706-001	Indicator	1		
15	E303719-001	Volume Knob Ass'y	1		
16	SBSF3008N	Screw	4		
<del></del> -		Spacer	1		
17	E72142-002	Window Screen	1		
18	E303721-001		l l	Silver	Except E,BS
19	E24721-003	Metal Cover	1		' '
	E24721-004	Metal Cover	1	Black	Except E,BS
	E25026-001	Metal Cover	1	Silver	E,BS
	E25026-002	Metal Cover	1	Black	E,BS
20	E61660-001	Screw	4	Silver	
	E61660-004	Screw	4	Black	
21	SBSB3008N	Screw	9		
22	E71269-003	Slide Knob	1		
				<del>                                     </del>	
23	E72113-001	Slide Knob	2		
24	E72085-004	Push Knob	1		
25	E303717-001	Bracket (L)	1		
26	SBST3006Z	Screw	12		
27	SBSB3008Z	Screw	3		
28	E69384-002	Fastener	1		
29	E72144-001	Bracket (R)	1		
30	E303714-001	Switch Bracket	1		
31	E71268-002	Push Knob	6		
32	E10717-008	Chassis Base	1		
32				+	
33	E47227-012	Foot	5		
34	SBSB3010Z	Screw	5		
35	SBSF3008M	Screw	3		
36	QHW3059-001	Wire Clamp	1		
37	QHW2052-001	Wire Clamp	1		J,C
38	E65389-002	Screw	4		Except J,C
30	E65389-005	Screw	4		J,C
39	1	Spacer	1 1	1	J
40		Rear Panel	1	Silver	J,C
140	E24127-027	Rear Panel	1	Black	J,C
	EZ41Z7-U3U				
	E24127-028	Rear Panel	1	Silver	E,A,G,BS
	E24127-031	Rear Panel	1	Black	E,A,G,BS
	E24127-029	Rear Panel	1	Silver	U,P,PG
	E24127-032	Rear Panel	1	Black	U,P,PG
41	SDSB3008N	Screw	2	Silver	J,C,U,P,PG
		Screw	2	Black	J,C,U,P,PG
	SDSB3008M		2	Silver	U,P,PG
42		Screw			1
	SBSB3008M	Screw	2	Black	U,P,PG
43		Screw	2	Silver	E,A,U,P,PG,BS
	SBSB3008M	Screw	2	Black	E,A,U,P,PG,BS

 <sup>⚠ :</sup> Safety Parts

A	No.	Part Number	Part Name	Q'ty	Description	Areas
	44	E70078-001	GND. Terminal	1		
Δ	45	QMF61U1-5RO	Fuse	1		J,C
Δ	46	QMP1200-200	Power Cord	1		J
Δ		QMP1480-200H	Power Cord	1		С
Δ		QMP3900-200	Power Cord	1		E,G
Δ		QMP2560-244	Power Cord	1		А
Δ		QMP7600-250	Power Cord	1		U,P,PG
Δ		QMP9017-008BS	Power Cord	1		BS
Δ	47	QHS3876-162	Cord Stopper	1		Except BS
Δ		QHS3876-162BS	Cord Stopper	1		BS
Δ	48	QMC0637-004	3P AC Outlet	1		J,U,P,PG
Æ		QMC0638-001	AC Outlet	1		С
Δ	49	QSR0085-006U	Voltage Selector	1		U,P,PG
Δ	50	ETP1150-17JA	Power Transformer	1		J,C
Δ		ETP1150-17FA	Power Transformer	1		U,P,PG
Æ		ETP1150-17EA	Power Transformer	1		E,A,G
Δ	ĺ	ETP1150-17EABS	Power Transformer	1		BS
1	51	E03572-007EM	Speaker Terminal	1		
	52	E03623-003	Din Socket	1		Except J,C
	53	QST4361-E08	Push Switch	1		
	54	QST4101-E16	Push Switch	1		
1	55	QST4261-E05	Push Switch	1		
1	56	QMS6302-128	3P Headphone JacK	1		
Δ	57	QSP1106-005	Power Switch	1		Except BS
Æ		QSP1106-005BS	Power Switch	1		BS
	58	QVUB01C-E15C	Variable Resistor	2		
1	59	SLR-54DC50F165	L.E.D.	14		
	60	E23862-003	Grill	1	Silver	E,BS
	İ	E23862-004	Grill	1	Black	E,BS
L	61	E03872-023	Lamp Ass'y	1		
	62	E71335-002	Fastener	1		
1	63	E34455-001	Fastener	1		Except J,C
Δ	64	QMF51A2-2R5S	Fuse	1	F001	E,G,A
Δ		QMF51A2-4ROS	Fuse	1	F001	U,P,PG
Δ		QMF51E2-2R5SBS	Fuse	1	F001	BS
Δ	65	QMF51A2-2R5S	Fuse	1	F002	U,P,PG
	66	EMNOOTV-405A	4P Pin Jack	1		
1	67	EMN00TV-402A	4P Pin Jack	1		
1	68	EMN00TV-602A	6P Pin Jack	1		
	69	QVZ5307-001	Variable Resistor	1	BALANCE	
	70	QVTB01B-EF5B	Variable Resistor	1	Main	
	71	E65778-002	Spacer	1		
	72	E72358-001	Trans Bracket	1	at a para	J,C

 $\Delta: \textbf{Safety Parts}$ 

#### The Marks for Designated Areas

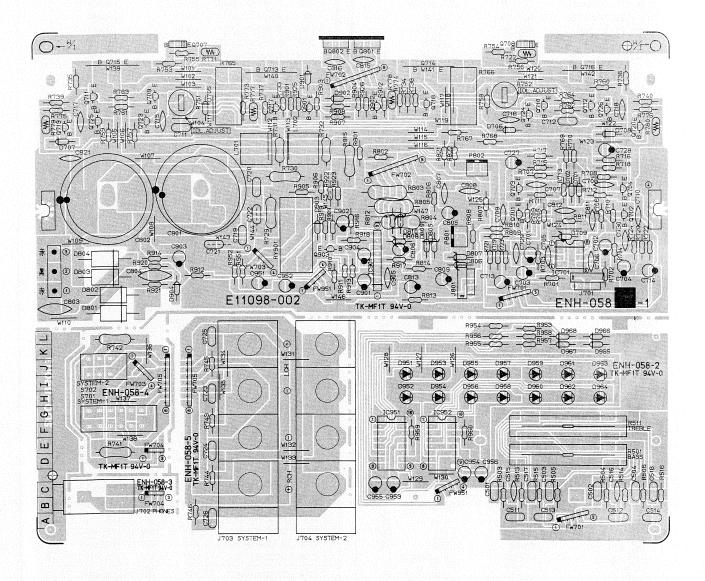
J U. S. A.	G West Germany
C Canada	BS U. K.

BS...... U. K. P,PG... U.S. Military Market E ..... Europe A..... Australia U...... Other Countries

## 3. Printed Circuit Board Ass'y and Parts List

ENH-058 
Power Amplifier P.C. Board Ass'y
Note ENH-058 
Varies according to the areas employed. See note (1) when placing an order.
Note (1)

P.C. Board Ass'y	Designated Areas
ENH-058 A	U. S. A.
ENH-058 B	Canada
ENH-058 C	Europe & Australia
ENH-058 D	West Germany
ENH-058 F	U.S. Military Market & Other Countries



#### Transistors

Δ	Item No. Part Number Description				
				Maker	
	Q701	2SC2389(S,E)	SILICON	ROHM	
	Q702	2SC2389(S,E)	SILICON	ROHM	
	Q703	2SA1038(R,S)	SILICON	ROHM	
	Q704	2SA1038(R,S)	SILICON	ROHM	
	Q707	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q708	2SD636(Q,R)	SILICON	MATSUSHITA	
ı	Q709	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q710	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q711	2SA965(O,Y)	SILICON	TOSHIBA	
	Q712	2SA965(O,Y)	SILICON	TOSHIBA	
	Q713	2SD1148LB(O,R)	SILICON	TOSHIBA	
ļ	Q714	2SD1148LB(O,R)	SILICON	TOSHIBA	
	Q715	2SB863LB(R,O)	SILICON	TOSHIBA	
1	Q716	2SB863LB(R,O)	SILICON	TOSHIBA	
L	Q717	2SC1740LN(R,S)	SILICON	ROHM	
	Q718	2SC1740LN(R,S)	SILICON	ROHM	
1	Q719	2SA933LN(R,S)	SILICON	ROHM	
1	Q720	2SA933LN(R,S)	SILICON	ROHM	
1	Q723	2SC2389(S,E)	SILICON	ROHM	
L	Q724	2SC2389(S,E)	SILICON	ROHM	
	Q725	2SA1038(R,S)	SILICON	ROHM	
	Q726	2SA1038(R,S)	SILICON	ROHM	
1	Q801	2SD1265A(O,P)	SILICON	MATSUSHITA	1
	Q802	2SB941A(P,Q)	SILICON	MATSUSHITA	
L	Q901	2SC2389(S,E)	SILICON	ROHM	
	Q902	2SC2389(S,E)	SILICON	ROHM	
	Q903	2SA1038(R,S)	SILICON	ROHM	

#### Diodes

Δ	Item No. Part Number Description				
		,		Maker	
Ì	D807	RD12EB3	ZENER	NEC	
	D808	RD24EB3	ZENER	NEC	
	D901	1S2076-31	SILICON	HITACHI	
	D902	1S2076-31	SILICON	HITACHI	Ì
	D903	1S2076—31	SILICON	HITACHI	
	D904	1S2076-31	SILICON	HITACHI	
	D951	SLR-54DC50F165	L.E.D.	ROHM	
	D952	SLR-54DC50F165	L.E.D.	ROHM	
	D953	SLR-54DC50F165	L.E.D.	ROHM	
	D954	SLR-54DC50F165	L.E.D.	ROHM	
	D955	SLR-54DC50F165	L.E.D.	ROHM	
	D956	SLR-54DC50F165	L.E.D.	ROHM	
	D957	SLR-54DC50F165	L.E.D.	ROHM	
	D958	SLR-54DC50F165	L.E.D.	ROHM	
	D959	SLR-54DC50F165	L.E.D.	ROHM	
	D960	SLR-54DC50F165	L.E.D.	ROHM	
	D961	SLR-54DC50F165	L.E.D.	ROHM	
	D962	SLR-54DC50F165	L.E.D.	ROHM	
l	D963	SLR-54DC50F165	L.E.D.	ROHM	
	D964	SLR-54DC50F165	L.E.D.	ROHM	
	D965	1S2076-31	SILICON	HITACHI	
	D966	1S2076-31	SILICON	HITACHI	
	D967	1S207631	SILICON	HITACHI	
l	D968	1S2076-31	SILICON	HITACHI	

#### ICs

Δ	Item No.	Part Number	Description	Areas
Г			Maker	
	IC701 IC701 IC701 IC701 IC701	NJM4558D NJM4558D NJM4558D NJM4560D—X NJM4558D	JRC JRC JRC JRC JRC	A B C D
	IC901 IC951 IC952	TA7317P IR2E19 IR2E19	TOSHIBA SHARP SHARP	

#### Capacitors

Δ	Item No.	Part Number		Descript	ion	Areas
П	C501	QFN31HK-153	0.015MF	50V	MYLAR	
	C502	QFN31HK-153	0.015MF	50V	MYLAR	
	C503	QFN31HK-823	0.082MF	50V	MYLAR	
	C504	QFN31HK-823	0.082MF	50V	MYLAR	
	C511	QFN31HK-332	3300PF	50V	MYLAR	
	C512	QFN31HK-332	3300PF	50V	MYLAR	
	C513	QFN31HK-183	0.018MF	50V	MYLAR	
	C514	QFN31HK-183	0.018MF	50V	MYLAR	
	C515	QCS31HJ-221	220PF	50V	CERAMIC	
	C516	QCS31HJ-221	220PF	50V	CERAMIC	
	C517	QFN31HK-122	1200PF	50V	MYLAR	
	C518	QFN31HK-122	1200PF	50V	MYLAR	
	C701	QETC1HM-475	4.7MF	50V	ELECTORO	
1	C702	QETC1HM-475	4.7MF	50V	ELECTORO	
	C703	QETC1AM-107	100MF	10V	ELECTORO	
Г	C704	QETC1AM-107	100MF	10V	ELECTORO	
	C705	QCS31HJ-101	100PF	50V	CERAMIC	
	C706	QCS31HJ-101	100PF	50V	CERAMIC	
1	C707	QCS31HJ-100	10PF	50V	CERAMIC	Α
L	C707	QCS31HJ-100	10PF	50V	CERAMIC	В
Г	C707	QCS31HJ-100	10PF	50V	CERAMIC	С
	C707	QCS31HJ-220	22PF	50V	CERAMIC	D
	C707	QCS31HJ-100	10PF	50V	CERAMIC	F
ı	C708	QCS31HJ-100	10PF	50V	CERAMIC	A
	C708	QCS31HJ-100	10PF	50V	CERAMIC	В
Г	C708	QCS31HJ-100	10PF	50V	CERAMIC	С
1	C708	QCS31HJ-220	22PF	50V	CERAMIC	D
1	C708	QCS31HJ-100	10PF	50V	CERAMIC	F
	C709	QCS31HJ-180	18PF	50V	CERAMIC	Α
1	C709	QCS31HJ-180	18PF	50V	CERAMIC	В

#### Diodes

Δ	Item No.	Part Number	Descript	ion	Areas
				Maker	
	D701 D702 D705 D706 D707	1\$2076—31 1\$2076—31 1\$2076—31 1\$2076—31 1\$2076—31	SILICON SILICON SILICON SILICON SILICON	HITACHI HITACHI HITACHI HITACHI HITACHI	
	D708 D709 D709 D709 D801	1S2076—31 RD3.3EB2 RD3.3EB2 RD3.3EB2 S3V20F	SILICON ZENER ZENER ZENER SILICON	HITACHI NEC NEC NEC SHINDENGEN	C D F
<u>A</u>	D803	S3V20F S3V20F S3V20F RD10EB3 RD9.1EB3	SILICON SILICON SILICON ZENER ZENER	SHINDENGEN SHINDENGEN SHINDENGEN NEC NEC	

**∆**: Safety Parts

					stotsi	гәу						stors	sise
Areas	uoņ	Descub		Part Number	meti No.	$\nabla$	Areas	ti-	Oescriptio	]	Part Number	tem No.	
	САВВОИ	W4/1	074	SITA-LIAIUAQ		$\perp 1$		3J8AIRA	٨	021	174-80A49VG		1-
	САВВОИ	MÞ/1	108	2174-L1410AQ	#96H			иоаяа	1	SK 1	1 S251-L151GRG	1	i i
	CARBON	Mb/1	10K	06D1411—103S	996H		-	NOBRA		1	1	1	
	САВВОИ	Mt/L	1.5K	QRD1413-1525	7899		-	NOBRA:	1	1		1	- 1
	CARBON	WÞ/l	1.5K	QRD1411-152S	896H	+	<b> </b>	<del> </del>		-	<del></del>	+	+
	CARBON	W4/1	2.7K	QRD141J-2725	8968 9968			NOE CARBON			1	i	- 1 '
	САВВОИ	W4/1	2.7K	QRD1413-2725	096H			NOBRAD. HUL NOBRAD. HUL		1		1	1.
ne9 yts	ats2:∆				1			UNF.CARBON	1	i		1	- 1 *
								UNF.CARBON	t	1		1	
								UNF.CARBON	Mt/L		<u> </u>		÷
							1	UNF.CARBON	1	074	1	£97A	
								UNF.CARBON	1	1	ORD145J-471S	\$9ZH	1.
					ıers	110		CEMMENT	3W	1		9978	- 1 *
S91A	notiq	Descu		Part Number	meti .ov	$\nabla$		CEMMENT	3W	0.22	EBF032K-R22	9978	$\nabla$
			TIUDRID	E11008-003	.041	$\dashv$		UNF.CARBON	W4/1	10	QRD145J-100S	7978	$\nabla$
A			HEAT SIN	E300509-019	Ì			UNF.CARBON	Mt/L	10	QRD145J-100S	8978	, ,
8			HEAT SIN	E300509-019			A	UNF.CARBON	Mb/l	10	QRD145J-100S	f08A	١,٠
a			HEAT SIN	E300509-019			8	CARBON	W4/1	10	QRD145J-100S	F801	1 -
3		IK	HEAT SIN	E300509-019			0	FUSIBLE	W4/1	10	QRZ0062-100	108A	$\nabla$
0		IK	HEAT SIN	E300509-050			a	FUSIBLE	W4/1	10	QRZ0062-100	108Я	
			TIE BAND	E33124-002			اد ا	FUSIBLE	MÞ/L	10	QRZ0062-100	F08A	$\nabla$
			LEAF SPI	E72298-001				UNF.CARBON	Mt/L	15	QRD145J-150S	R802	1 '
			BBACKE.	E67292—001				O.M.FILM CARRON	ZW 1	39	QRG0221—390AF	P08A	$\nabla$
		(A)T	BBACKE.	E67293-002				САВВОИ	M#/1	12K	QRD1411-153S	908A	Ť
			SCBEM	GBSB3008Z				UNF.CARBON	Wp/r	12	QRD145J-120S	708A	V
		SCBEM	i	Z800£8283	Į			FUSIBLE	Mb/L	33	QRZ0062-330	8088	$\nabla$
		2 SCEEM	1	Z8008BSBS	ļ			CARBON	MÞ/L MÞ/L	089	QRD141J-681S	018A	
		⊒TA 10	SCREW	SBSE3012Z				CARBON	Mt/L	5K	QRD1411-2025	118A	
-			нтядэ	E70859-001	_	1							+
	,		3P SOCH	E04365-003	1070		A	UNF.CARBON	Mb/1	55 9.8K	ORD1411-6825	R813	
		ONE JAC	1	GMS6302-128	1702	1	8	UNF.CARBON	Mb/L	77	ORD1451-220S	618A 618A	$\nabla$
		R TERMIN P TERMIN	i	E03672 007EM	2070		0	FUSIBLE	Mt/L	12	QRZ0062-270	F1873	V
	7.4	К ТЕВМІИ ТЕВ	3P 50CF	E03925-003EM	1001		a	FUSIBLE	MÞ/1	72	QRZ0062270	R813	$\nabla$
_				E04365-003	1080	+	=	FUSIBLE	WÞ/l	72	QRZ0062—270		$\nabla$
			3b PLUC	QMV5005—003	108d			CARBON	Wp/r	12K	QRD141J-1235	F813	(77
			RUSH S'	QST4261—E05	1072			САВВОИ	MÞ/1	2.7K	ORD141J-272S	f06A	
		7.4.	RELAY		108TR			САЯВОИ	W4/1	2.7K	QRD141J-272S	R902	
a		ЯO.	ГИВИСТ	EGL0001-IRO	1077	1		САВВОИ	MÞ/1	18K	QRD141J-183S	606日	
a			INDUCT	E010001-IBO	7077	-		САВВОИ	M₱/L	18K	QRD1411-1835	₽06H	
		110	LOOGNI	ONI-10001D3	20/7	7		САВВОИ	Mt/L	100K	QRD141J-104S	B905	
								CARBON	MÞ/L	82K	QRD141J-823S	906님	
								CARBON	MÞ/L	55K	QRD141J-2235	706A	
							$\vdash$	САВВОИ	Mt/L	SSK	QRD1411-223S	806A	
								CARBON	M7/1	10K	QRD141J-1035	606H	
								CARBON	Mb/L	100K	OBD1411-104S	0168	
								CARBON	MÞ/L	68K	QRD14135	1168	
								CARBON	MÞ/L	98K	QRD1411—6835	R913	
							<b> </b>		+	+			
								CARBON O.M.FILM	1/4W	1.5K	QRD141J-822S	P914	$\nabla$
								CARBON	Mb/1	30K	QRG022J-152AF	B9168	<u></u>
								САВВОИ	MÞ/l	50K	QRD1411-2035	716A	- 1
								CARBON	MÞ/L	550K	QRD141J-224S	816A	- 1
								CARBON	W4/I	3.3K	QRD1411-332S	616A	$\dashv$
								САВВОИ	Mb/l	6.8K	QRD141J-682S	H920	١
								CARBON	W4/r	4.7K	QRD141J-472S	126A	
								CARBON	MÞ/L	15K	ORD1411-1235	1969	

A: Safety Parts

1/4W CARBON

H952 QRD1411-123S 12K

Areas	uo uo	Descripti		Part Number	ttem No.	1	/reas	uc uc	Descripti		Part Number	citors
	3J8AIRAV			GANBOIC-EIRC		-	-	CERAMIC	200	398f	C231H7-180	· o
	САВВОИ	Mt/L	18K	QRD141J—183S	E098			CERAMIC	۸09		Z C231H1-150	1
	CARBON	!	18K	QRD141J—183S	1	- 1	- 1	CERAMIC	Λ09	1	2 CS31HJ-180	60.
	САЯВОИ	1	3.3K 3.3K	OBD1417-3358	1	- 1	8	1	V03	18PF	2 C231H1-180	- 1
	318ARAV		1100		+	-	<b> </b>		703 20A	-	Q CS31HJ-180	+
	CARBON	Mt/l	4.7K	OBD1417-4725 OVUB01C-E15C	E .	- 1		1	V08	18PF	O C231H1-120	i
	САВВОИ	M7/L	4.7K	QRD141J-472S	P514		=	I .	20A	16PF	℧ C231H1−180 ℧ C231H1−120	1
	CARBON	MÞ/L	820	QRD141J-821S	6168			CERAMIC	200	- M10.0	Q CF31HP-103	1
	САЯВОИ	MÞ/L	028	QRD141J-821S	9159			CERAMIC	200	0.01MF	© CE31Hb−103	
	САВВОИ	MÞ/l	2.2K	QRD1411-222S	F07A			ELECTORO	200	1M1	QETC1HM-105	+-
	САВВОИ	MÞ/L	2.2K	ORD1417-222S	Z07A			ELECTORO	Λ09	1MF	GETC1HM-105	14
	САВВОИ	W4/1	100K	QRD141J-104S	E07A			CERAMIC	V02	4489	©C231H1−680	St
	САВВОИ	M⊅/L	100K	QRD141J-104S	₽07A			CERAMIC	۸09	4489	©C231H1−680	91
	САЯВОИ	M <del>b</del> /L	4.7K	QRD141J-472S	9078			CERAMIC	Λ09	∃489	©C231H1−680	71
	САЯВОИ	MÞ/L	4.7K	2574-L141UAQ	9078			CERAMIC	200	∃989	QCS31H1-680	18
	UNE.CARBON	Mt/L	28	QRD145J-820S	707A	Ÿ	A		۸09	9.047MF	<b>℧</b> EИ31HK−4∖3	61
J	UNF.CARBON	Mt/L	28	QRD145J-820S	8078	V	9	AAJYM	200	3M7≱0.0	QFN31HK-473	61
D C	FUSIBLE FUSIBLE	M7/1	28	QRZ0062—820	6028	$\nabla$	a	MYLAR	۸09	0.047MF	QFN31HK-473	61
	FUSIBLE	Mt/l	28	QRZ0062—820	6078	V	0	MYLAR	Λ09	AM1.0	ŒEN31HK−10¢	61
4	FUSIBLE	Mp/L	28	QRZ0062—820	607A	V	A	AAJYM	Λ09	3M740.0	ØEN31HK473	.50
A	UNF.CARBON	W4/1	28	QRD145J—820S	6028	V	8	RAJYM	200	0.047MF	QFN31HK-473	50
C	LUSIBLE UNF.CARBON	MÞ/L MÞ/L	28	OBD1421-850	6078	V	a	RAJYM	۸09	∃M740.0	ØE/131HK-473	.50
۵	FUSIBLE	Mb/L	28	QRZ0062—820	017A	$\nabla$	) )	MYLAR	207	O.1MF	OEN31HK-104	07.
						+-			Λ09	O.1MF	ОЕИ31НК−10¢	121
4	FUSIBLE UNF.CARBON	W4/1	28	QR20062—8205	0178	$\nabla$	"	MYLAR	200	0.1MF	OEN31HK-104	722
8	UNF.CARBON	W4/1	28	GRD1451-820S	0178	$\nabla$	a	CERAMIC	200	9M10.0	OCE31HP-103	723
	UNF.CARBON	W4/I	2tr	QRD145J—8205	017A	V	0	CERAMIC	705 207	0.01MF	QCF31HP-103	724
İ	UNF.CARBON	W4/1	27	QRD145J-470S	2178	$\nabla$	0	CERAMIC	200	O.01MF	QCF31HP-103	902
						_	_		200	0.01MF	ОСЕЗІНЬ—103	97.4
	CARBON	MÞ/L MÞ/L	8 2K	ORD1411-8225	8118			ELECTORO	V03	2.2MF	QETC1HM-225	727
Ì	CARBON	M7/1	8.2K	ORD1417-8225	917A		\ \ \	ELECTORO	Λ09 20Λ	2.2MF	QETC1HM-225	827
ł	CARBON	W4/1	77.6 A7.7k	QRD141J-4725	717A		A A	CERAMIC	V03	3089 3089	OC231H1-680	67.2
	CARBON	MÞ/1	4.7K	QRD141J—472S	8178		C 8	CERAMIC	200	7988 7988	OC231H1-680	627
						Н			201	3d89	QCS31H1-680	67.4
	CARBON	Mb/L	13K	QRD1411-1335	6178		a	CERAMIC	200	120PF	OCS31H7-121	729
	CARBON	MÞ/L MÞ/L	13K	QRD1411-8335	1978		۷ ا	CERAMIC	Λ09 20Λ	3489 3489	QCS31H1_680	729
	CARBON	MÞ/1	85K	QRD141.1—8235	127A 227A		A	CERAMIC	200	3d89	QCS31H1-680	082
- 1	CARBON	W4/1	019	QRD141J-823S	227A 8723		8	CERAMIC	200	998F	QCS31H1-680	082
						$\vdash$	0	CERAMIC	Λ09	3489 1	OC231H7-680	082
	CARBON	Mt/l	910	QRD141J-511S	P278	v	٥	CERAMIC	200	150PF	QCS31H1-151	0873
	O.M.FILM O.M.FILM	WF	10	QRG012J-100AF	8779 8729	$\nabla$	٤	CERAMIC	Λ09	9489 2466664	QC231H1-680	0873
a	UNF.CARBON	1/5W	33	QRG012J-330		$\nabla$		ELECTRO ELECTRO	V£8	10000MF	EEM0304-100E	1083
a	UNF.CARBON	1/5W	33	OBD1521-330		$\nabla$		M.MYLAR	S20A	10000MF	OEH45EK-104 EEM6304-106E	2083
_	САВВОИ	MÞ/1										5083
	CARBON	MÞ/1	081	QRD1417-1815	£678 4678			CERAMIC	200V	100MF	QCE22HP-103A	4080
	САВВОИ	MÞ/L	180	QRD141J-1815	B735	ļ		ELECTORO	Λ09	10MF	QETC1HM—106	9080
	САВВОИ	Mt/L	180	2181-L141GRQ	9£7Я			ОЯОТОЕТ	16V	SSMF	OETC1CM-226	6080
_	САВВОИ	MÞ/L	150	ORD1417-121S	7£7A			CERAMIC	Λ09	0.022MF	QCF31HP-223	1180
	CARBON	MÞ/1	150	QRD141J-121S	8£7A	- 1		CERAMIC	200	0.022MF	QCF31HP-223	2180
	CARBON	Mt/1	150	ORDI41J-121S	8739 6778			ELECTORO	۱6۷	100MF	QETC1CM-107	2813
	CARBON	Mt/L	150	ORD1411-1215	0478	<u>۷</u>	a	CERAMIC	Λ09	820PF	OC251H7-854	1280
	O.M.FILM O.M.FILM	SW	330	QRG022J-331AF		V V		ELECTORO	107	100MF	QETC1AM-107	1060
+			330	QRG022J-331AF		╗		ELECTORO	200	SSMF	GETC1HM-226	2005
a	UNF.CARBON	Mt/L	01	QRD145J-100S		Ť۱		ELECTORO	200	1MF	QETC1HM-105	2060
a	UNF.CARBON	W4/1	10	QRD145J—100S		$\nabla$	1	ELECTORO	257	SSMF	QETC1EM-226	<b>†06</b> C
٥	UNF.CARBON	Mb/L	01 01	QRD145J-100S		<u>V</u>		ELECTORO	200	4L7MF	OETC1HM-475	1960
_	VARIABLE		024	174-80A49VQ	1978	_		ELECTORO	20V	4.7MF	GETC1EM-106	2962
İ						- 1	l		407	111101	מבוסודאו ומס	2963
							l i	000103 12	7,30	37107		
A VI	ate2 : ∆							ELECTORO ELECTORO	25V 25V	10MF	QETC1EM—106	C922 C924

Capacitors

(No. 2826) 2-10

(No. 2826) 2-9

#### A-GX3/A-GX3B A-GX3/A-GX3B

7	Item No.	Раң Иитрег		Descul	noito	Areas
	C375	QCS31HJ-221	220PF	Λ09	CERAMIC	0
	9760	QCS31H1-221	220PF	200	CERAMIC	8
	9760	QCS31HJ-221	220PF	200	CERAMIC	0
	Ç381	QCS31HJ-221	220PF	200	CERAMIC	0
	C385	QCS31H1-221	220PF	Λ09	CERAMIC	0
	C383	QCS31HJ-221	220PF	V03	CERAMIC	0
	C384	QCS31HJ-221	220PF	200	CERAMIC	0
	C382	QCS31HJ-221	220PF	Λ09	CERAMIC	0
	C386	QCS31H1-221	220PF	V03	CERAMIC	0
	C387	OC231H7-551	220PF	Λ09	CERAMIC	0
	C388	QCS31HJ-221	220PF	Λ09	CERAMIC	0
	C389	QCS31H1-221	220PF	Λ09	CERAMIC	0
	C391	QETC1CM-476	47MF	16V	ELECTORO	
	C392	0ETC1CM-476	47MF	167	ELECTORO	

Describtion

Агеая

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Part Number

САВВОИ	MÞ/L	4.7K	QRD141J-472S	R362	
CARBON	Mt/L	4.7K	QRD141J-472S	F361	
САВВОИ	Mt/L	100	QRD141J-101S	698H	
САВВОИ	W4/1	9.8K	QRD141J-682S	835A	
САВВОИ	W4/r	2.2K	QRD141J-222S	R357	
САВВОИ	Mt/L	099	QRD141J-561S	H322	
3J8AIRAV		520K	QVTB01B-EF5B	B324	
VARIABLE		250K	QVZ5307-001	R353	
САВВОИ	Mt/l	4.7K	QRD141J-472S	H352	
CARBON	Mt/l	4.7K	QRD141J-472S	F351	
CARBON	Mt/L	100K	QRD141J-104S	788A	
САВВОИ	Mt/L	120K	QRD141J-154S	988A	
САВВОИ	Mt/L	390K	QRD141J-394S	B335	
САВВОИ	Mt/L	100K	QRD141J-104S	F334	
CARBON	M⊅/L	22K	QRD1411-223S	F333	
САВВОИ	Mt/L	470K	QRD141J-474S	F332	
CARBON	W4/r	MI	QRD141J-105S	F331	
САВВОИ	MÞ/1	180K	QRD141J-184S	H326	
CARBON	Mb/l	26K	QRD141J-563S	H325	
CARBON	W4/r	10K	QRD141J-103S	R324	
САВВОИ	Mt/L	10K	QRD1411-103S	F323	
CARBON	M⊅/L	10K	QRD141J-103S	R322	
САВВОИ	Mt/L	10K	QRD141J-103S	F321	
CARBON	M⊅/L	270K	QRD141J-274S	F320	
САВВОИ	MÞ/L	1K	QRD141J-102S	918A	
САВВОИ	W4/1	1K	QRD141J-102S	R315	
CARBON	Mt/L	074	2174-U1410AQ	F18H	
CARBON	Mt/L	074	QRD141J-471S	E16A	
САВВОИ	Mt/L	100K	QRD1411-104S	R312	
CARBON	MÞ/L	100K	QRD1411-104S	F16A	
САВВОИ	MÞ/L	470K	QRD141J-474S	016A	
САВВОИ	M⊅/L	470K	QRD141J-474S	E309	
САВВОИ	Mt/l	36K	QRD141J-393S	805A	
CARBON	W4/r	36K	QRD1411-393S	70£A	
САВВОИ	Mt/l	097	S137-L1410AD	90£A	
CARBON	Mt/L	094	QRD141J-751S	B305	
САВВОИ	Mt/L	47K	QRD141J-473S	F304	
САВВОИ	Mt/L	47K	QRD141J-473S	F303	
CARBON	Mt/l	2.2K	QRD141J-222S	F302	
CARBON	M⊅/L	2.2K	QRD1411-222S	F301	
			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Terresistante.	

	ABIHSOT		TC4016BP	IC303	
	OYNAS		LC7815H	IC305	
	DAINICHI		N1M4558D-D	IC301	
	Maker				
Агеая	scription	9G	Part Number	Item No.	$\nabla$
					SO
	МНОЯ	SIFICON	2SC1740LN(R,S)	0321	
	МНОЯ	SIFICON	DTA144EN	0301	
	Maker				
Агеаз	scription	-BQ	Part Number	Item .oN	V
			rs	otsian	rs.

IC304 N1W4228D

Areas	noitqinos	ee0	Раң Иитрег	metl No.	V
	Макет				
	МНОЯ	L.E.D.	2LR-54DC50F165	D321	
	ВОНМ	L.E.D.	2LR-54DC50F165	D325	
	ROHM	.G.3.J	2LR-54DC50F165	D323	
	MHOA	.d.3.J	2LR-54DC50F165	D324	
	МНОЯ	r.e.p.	2FB-24AC20F165	D32e	
	ВОНМ	.D.E.D.	2LR-54MC50F165	735Q	
	HITACHI	SIFICON	182076-31	D328	

DAINICHI

5.316.6E.	000101	7130	27107	007 71270220	1000	
	AAJYM	Λ09	0.22MF	QFN31HK-224	C352	
	CERAMIC	V03	100PF	QCS31HJ-101	C35¢	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C353	
	CERAMIC	Λ09	100PF	QCS31HJ-101	C355	
	CERAMIC	Λ09	100PF	QCS31H1-101	C351	
	ELECTORO	V03	1MF	QETC1HM-105	C350	
	ELECTORO	100	100MF	QETC1AM-107	C314	
	ELECTORO	100	100MF	QETC1AM-107	C313	
	ELECTORO	200	2.2MF	QETC1HM-225	C315	
	ELECTORO	Λ09	2.2MF	QETC1HM-225	C311	P
	CERAMIC	۸09	100PF	QCS31HJ-101	C310	
	CERAMIC	Λ09	100PF	QC231H1-101	C309	
	CERAMIC	Λ09	440089	GCX31HK-682	C308	
	CERAMIC	V03	440089	QCY31HK-682	C301	
	CERAMIC	V03	1800PF	GCY31HK-182	C306	
	CERAMIC	Λ09	1800PF	QCY31HK-182	C302	
8	CERAMIC	200	100PF	QCS31HJ-101	C304	
A	CERAMIC	200	100PF	QCS31HJ-101	C304	
0	CERAMIC	200	560PF	QCS31H1-561	C304	
8	CERAMIC	Λ09	100PF	GC231H7-101	C303	
A	CERAMIC	Λ09	100PF	QCS31HJ-101	C303	
0	CERAMIC	Λ09	560PF	QCS31H1-561	C303	
	ЕГЕСТОВО	Λ09	4.7MF	QETC1HM-475	C305	
	ELECTORO	200	4MT.4	QETC1HM-475	C301	
Areas	noito	Descrip		Раң Иитрег	ltem No.	$\nabla$
				rs.	oscito	le(
	HITATIH		SIFICON	182076-31	D328	
	МНОЯ		L.E.D.	2FB-24MC20F165	735Q	
	MILIOIT		ריריםי	2FV_2#AC20L102	need	

CERAMIC

CERAMIC

CERAMIC

CERAMIC

CERAMIC

AAJYM

MYLAR

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ELECTORO

ELECTORO

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۸09

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Λ09

Λ09

Λ09

Λ09

Λ09

Λ09

S2Λ

Λ09

257

220PF

4M10.0

JM740.0

180PF

180PF

₹M650.0

0.033MF

270PF

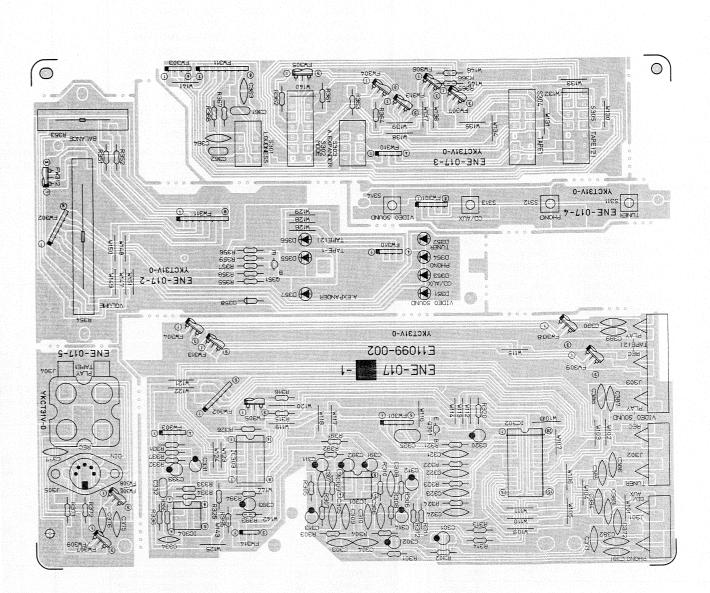
10MF

4700PF

10MF

(f) 910N ENH-017  $\square$  Equalizer & Switch P.C. Board Ass'y Note ENE-017  $\square$  Varies according to the areas employed. See note (1) when placing an order.

West Germany	ENE-017
Europe, Australia, U.K., U.S. Mili- tary Market & Other Countries	ENE-017 B
U. S. A. & Canada	ENE-017 A
seatA batangisa0	P.C. Board Ass'y



C375 QCS31HJ-221

C372 QCF31HP-103 C371 | QCF31HP-473

C364 QCS31HJ-181

C363 QCS31HJ-181

C362 QFN31HK-333

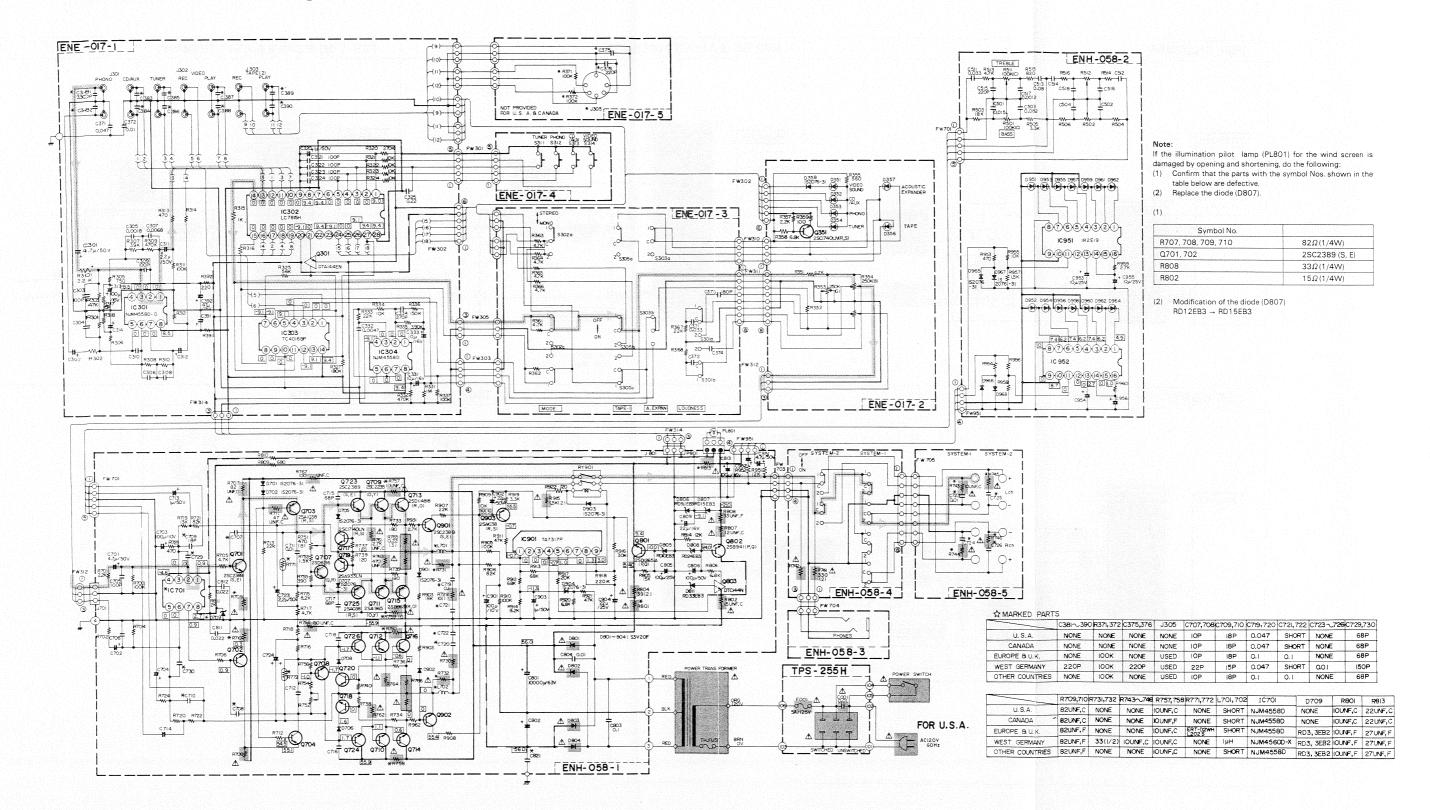
C301 OEN31HK-333

C334 | CC231H1-271

C333 QETC1EM-106 C335 | ØCA31HK-472

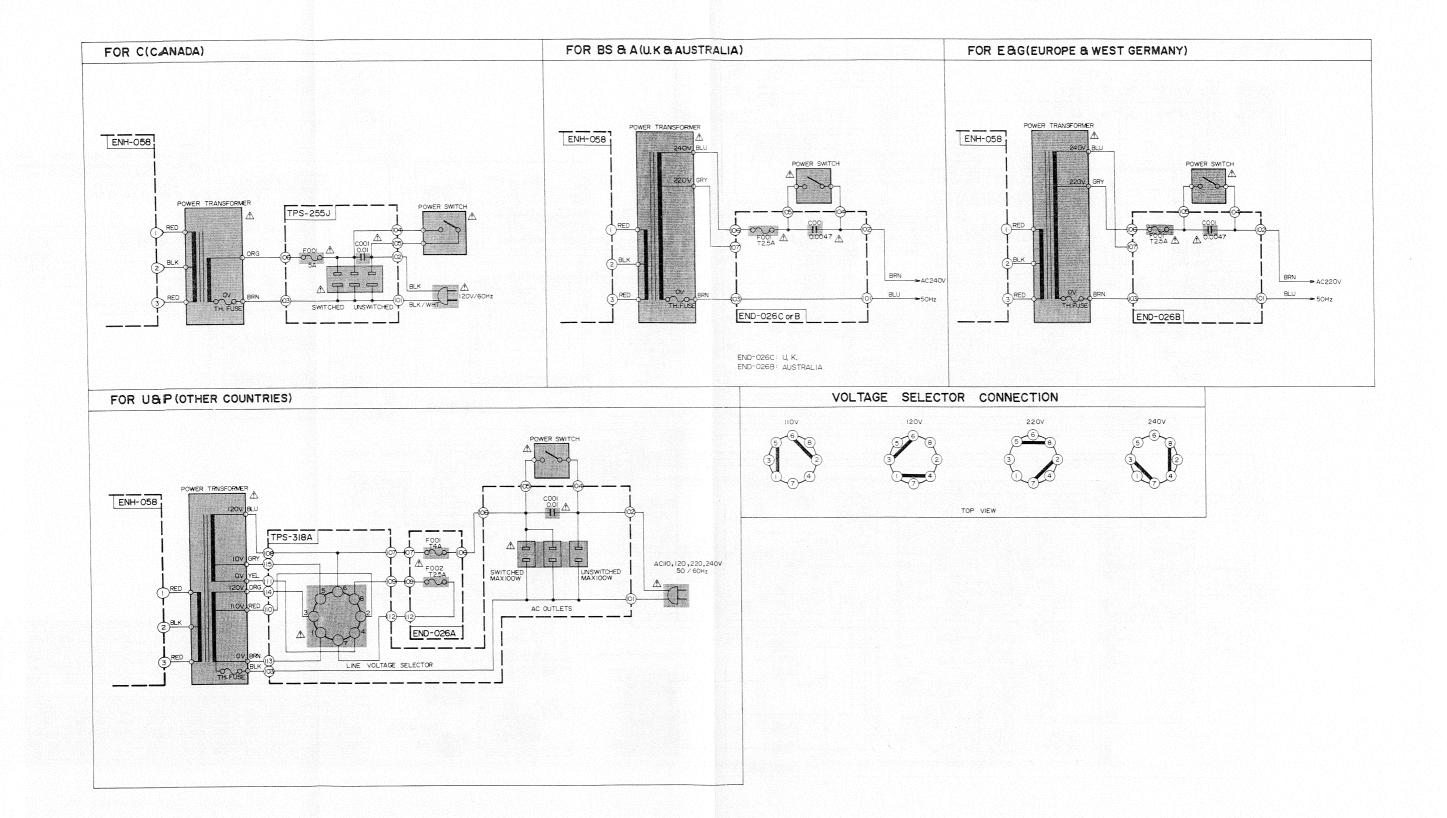
C331 QETC1EM-106

## 6. A-GX3 Schematic Diagram



#### Notes:

- 1. indicates positive B power supply.
- 2. ---- indicates negative B power supply.
- 3. indicates signal path.
- 4. When replacing the parts in the darkned area (
- and those marked with  ${\ensuremath{\Delta}}$  , be sure to use the designated parts to ensure safety.
- This is the standard circuit diagram.
   The design and contents are subject to change without



#### Resistors

	Item No.	Part Number		Descrip	otion	Areas
	R363	QRD141J-472S	4.7K	1/4W	CARBON	
	R364	QRD141J-472S	4.7K	1/4W	CARBON	
	R365	QRD141J-472S	4.7K	1/4W	CARBON	
	R366	QRD141J-472S	4.7K	1/4W	CARBON	
	R367	QRD141J-223S	22K	1/4W	CARBON	
	R368	QRD141J-223S	22K	1/4W	CARBON	
	R371	QRD141J-104S	100K	1/4W	CARBON	В
	B371	QRD141J-104S	100K	1/4W	CARBON	C
	R372	QRD141J-104S	100K	1/4W	CARBON	В
15	R372	QRD141J-104S	100K	1/4W	CARBON	С
	R391	QRD141J-221S	220	1/4W	CARBON	
	R392	QRD141J-221S	220	1/4W	CARBON	

#### Others

$\Delta$	Item No.	Part Number	Description	Areas
		E11099-002	CIRCUIT BOARD	
	J301	EMN00TV-405A	4P PIN JACK	
	J302	EMN00TV-402A	PIN JACK ASSY	
	J303	EMN00TV-602A	PIN JACK ASSY	
	J305	E03623-003	DIN SOCKET	В
	J305	E03623003	DIN SOCKET	С
	S301	QST4361-E08	PUSH SWITCH	
	S305	QST4101-E16	PUSH SWITCH	
	S311	ESP0001-007	PUSH SWITCH	
	S312	ESP0001-007	PUSH SWITCH	
	S313	ESP0001-007	PUSH SWITCH	
	S314	ESP0001-007	PUSH SWITCH	

TPS-255  $\square$  AC outlet P.C. Board Ass'y

Note TPS-255 Uvaries according to the areas employed. See note (1) when placing an order.

Note (1)

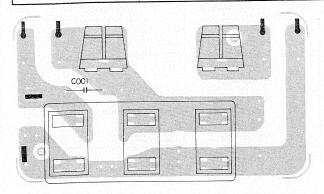
P.C. Board Ass'y	Designated Areas	
TPS-255 H	U. S. A.	
TPS-255 J	Canada	

#### Capacitor

$\triangle$	Item No.	Part Number	Description	Areas
Δ	C001	QCZ9019-103	0.01MF CERAMIC	

$\triangle$	Item No.	Part Number	Description	Areas
Δ		E65508-001 E65508-001 QMC0637-004 QMC0638-001 E43727-001	TAB TAB 3P AC OUTLET AC OUTLET TAB	H
		E03675-004 E66003-005	FUSE CLIP CIRCUIT BOARD	

⚠: Safety Parts



TPS-318 A Voltage Selector P.C. Board Ass'y (For U.S. Military Market & Other Countries Only)

#### Capacitor

Δ	Item No.	Part Number		Descrip	otion	Areas
Δ	C001	QFH53BM-103M	40.01MF	1250V	M.MYLAR	

#### Others

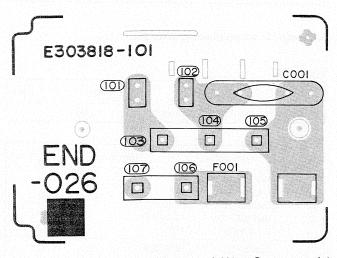
Δ	Item No.	Part Number	Description	Areas
		E302057-001	CIRCUIT BOARD	
		E65508-001	TAB	
Δ		QSR0085-006U	VOLTAGE SELECTOR	
$\overline{\mathbb{A}}$		QMC0637-004	3P AC OUTLET	
		E43727-001	TAB	

 $\triangle$ : Safety Parts

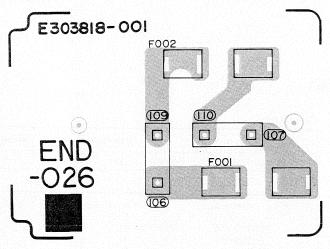
#### END-026 - Fuse P.C. Board Ass'y

Note END-026 
Varies according to the areas employed. See note (1) when placing an order. Note (1)

P.C. Board Ass'y	U.S. Military Market & Other Countries  Europe, Australia, & West Germany	
END-026 A		
ENE-026 B		
END-026 CBS	U.K.	



(for Europe, Australia, U.K. & West Germany only)



(for U.S. Military Market & Other Countries only)

#### Capacitors

$\triangle$	Item No.	Part Number	De	escription	Areas
Δ	C001	QCZ9019-472BS	4700PF	CERAMIC	CBS
$\triangle$	C001	QCZ9019-472	4700PF	CERAMIC	В

▲: Safety Parts

#### Others

Δ	Item No.	Part Number	Description	Areas
		E303818001	CIRCUIT BOARD	A
		E303818-101	CIRCUIT BOARD	В
		E303818-101BS	CIRCUIT BOARD	CBS
		E65508-002	TAB	В
		E65508-002	TAB	CBS
		EMG7331-001	FUSE CLIP	
		E67764-202	WRAPPING TERMINAL	
		E67764-203	TERMINAL ASS'Y	В
		E67764-203	TERMINAL ASS'Y	CBS

### 4. Accessories List

Δ	Part Number	Part Name	Description	Areas
	E3O580-1237A	Instruction Book		Except BS
	E3O580-1237ABS	Instruction Book		BS
	BT20048B	Warranty Card	İ	J,P,PG
	BT20025F	Warranty Card		c
	BT20054-006A	Warranty Card		G
	BT20029C	Warranty Card		Α
	BT20060	Warranty Card		BS
	BT20044D	Safety Instruction		J
	BT20046B	Service Information Card		J,P,PG
	BT20071A	Service Center List		С
	BT20066	EEC Agency		G,BS
	BT20054-006A	FTZ Information		G
	E66416-003	Envelope		J
	E41202-2	Envelope		Except BS
	E41202-2B	Envelope		BS
Δ	E04056	Siemens Plug		

#### The Marks for Designated Areas

J...... U. S. A.

G...... West Germany

C..... Canada

BS..... U. K.

E...... Europe A..... Australia P,PG... U.S. Military Market U...... Other Countries

## 5. Packing Materials and Part Numbers

